EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	34493	vibrat$3 near4 suppress$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/30 15:49
L2	0	118/715.ccls. and ((flexible pipe) or bellow) and L1 and vacuum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/30 15:49
L3	0	349/190.ccls. and ((flexible pipe) or bellow) and L1 and vacuum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/30 16:13
S1	4	(("1559804") or ("2663894")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/03 16:16
S2	1	("20040177810").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/03 16:17
S3	29352	vibrat$3 near4 suppress$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/10 10:33

S4	94	S3 and "118".clas. or "156".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/10 10:33
S5	0	("S4and(@ad<=20040309or@rlad<=20040309").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/14 17:11
S6	29391	vibrat$3 near4 suppress$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/14 17:12
S7	94	S6 and "118".clas. or "156".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/14 17:12
S8	77	S7 and (@ad<="20040309" or @rlad<="20040309")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/14 17:12
S9	32	S6 same vacuum pump	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/14 18:20

S10	132	S6 same ((flexible pipe) or bellow)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/14 18:59
S11	96	S10 and @ad<="20040309" or @rlad<="20040309")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/14 19:00
S12	3	S6 same ((flexible pipe) or bellow) same (shrink or contract)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/14 19:00
S13	29391	vibrat$3 near4 suppress$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/15 13:56
S14	14	S13 same ((flexible pipe) or bellow) same (shrink$3 or contract$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/15 13:56
S15	1866	((flexible pipe) or bellow) same (shrink$3 or contract$3 or crush$3) same vacuum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/15 14:11

S16	483	S15 same (brac$3 or attach$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/15 14:14
S17	1	"5492144".PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 16:55
S18	58	((flexible pipe) or bellow) same (shrink$3 or contract$3 or crush$3) same vacuum same ((prevent$4 or stop$3) with rotat$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/15 17:24
S19	8754	((block with chain) or beam or strut) with ((prevent$4 or stop$3) with rotat$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/15 17:56
S20	10	S19 same vacuum pump	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/15 18:00
S21	1	"20040177810".PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/20 06:45
S23	32807	vibrat$3 near4 suppress$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/02/28 17:41

S24	443	S23 and (chains and (bar or beam))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/02/28 17:41
S25	443	S23 and (chain and (bar or beam))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/02/28 17:43
S26	98	S23 and (chain same (bar or beam))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/02/28 17:44
S27	32807	vibrat$3 near4 suppress$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/02/28 21:24
S28	98	S27 and (chain same (bar or beam))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/02/28 21:24
S29	59	S28 and (@ad<="20040309" or @rlad<="20040309")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/02/28 21:24

S30	0	((pair near3 vacuum pump) or (first vacuum pump same second vacuum pump)) and (flexible pipe or bellow) and vacuum chamber and chain block	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/29 14:43
S31	10	((pair near3 vacuum pump) or (first vacuum pump same second vacuum pump)) and (flexible pipe or bellow) and vacuum chamber and block	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/29 14:43
S32	34471	vibrat$3 near4 suppress$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/29 22:23
S33	107	S32 and ("118".clas. or "156".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/29 22:23
S34	40	S32 same vacuum pump	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/29 22:23
S35	143	S32 same ((flexible pipe) or bellow)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/29 22:23

S36	34471	vibrat$3 near4 suppress$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/29 22:23
S37	15	S36 same ((flexible pipe) or bellow) same (shrink$3 or contract$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/29 22:23
S38	1949	((flexible pipe) or bellow) same (shrink$3 or contract$3 or crush$3) same vacuum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/29 22:23
S39	493	S38 same (brac$3 or attach$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/29 22:23
S40	58	((flexible pipe) or bellow) same (shrink$3 or contract$3 or crush$3) same vacuum same ((prevent$4 or stop$3) with rotat$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/29 22:23
S41	9431	((block with chain) or beam or strut) with ((prevent$4 or stop$3) with rotat$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/29 22:23

S42	10	S41 same vacuum pump	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/29 22:23
S43	34471	vibrat$3 near4 suppress$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/29 22:23
S44	465	S43 and (chains and (bar or beam))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/29 22:23
S45	34471	vibrat$3 near4 suppress$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/29 22:23
S46	100	S45 and (chain same (bar or beam))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/29 22:23
S47	123	(S33 S34 S35 S37 S39 S40 S42 S44 S46) and @pd>= "20081214"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/29 22:24

S48	285	((flexible pipe) or bellow) and (shrink$3 or contract$3 or crush$3) same vacuum	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/30 14:45
S49	222	S48 and @pd<="20040309"	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/30 14:47
S50	34493	vibrat$3 near4 suppress$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/30 15:17
S51	13	((flexible pipe) or bellow) and S50 and vacuum	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/09/30 15:17

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	0	(118/715 or 349/190).ccls. and ((flexible pipe) or bellow) and "L1" and vacuum	UPAD	ADJ	ON	2010/09/30 16:15
L5	0	(118/715 or 349/190).ccls. and ((flexible pipe) or bellow) and vibrat$3 near4 suppress$3 and vacuum	UPAD	ADJ	ON	2010/09/30 16:41
L6	0	((flexible pipe) or bellow) and vibrat$3 near4 suppress$3 and vacuum	UPAD	ADJ	ON	2010/09/30 16:41
L7	0	((flexible pipe) or bellow) same (shrink$3 or contract$3 or crush$3) same vacuum same ((prevent$4 or stop$3) with rotat$3)	UPAD	ADJ	ON	2010/09/30 16:42
L8	34	((block with chain) or beam or strut) with ((prevent$4 or stop$3) with rotat$3)	UPAD	ADJ	ON	2010/09/30 16:43
L11	0	vibrat$3 near4 suppress$3 and (chain same (bar or beam))	UPAD	ADJ	ON	2010/09/30 16:50
L12	0	((pair near3 vacuum pump) or (first vacuum pump same second vacuum pump)) and (flexible pipe or bellow) and vacuum chamber and block	UPAD	ADJ	ON	2010/09/30 16:50

| L13 | 10 | ((flexible pipe) or bellow) and (shrink$3 or contract$3 or crush $3) same vacuum | UPAD | ADJ | | ON | 2010/09/30 16:52 |

9/30/2010 6:20:30 PM
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